Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	oss road - 7	1	40.00	3.50		140.00			
	Hindu samaj road								
	Neha Prakash Hospital	1	182.00	7.00		1274.00			
	Behind hospital	1	108.00	3.50		378.00			
	Perpendicular hospital	1	185.00	5.50		1017.50			
	cross road - 2	1	134.00	4.10		549.40			
						7661.55	**Sqm**	**12.94**	**99,160.38**
16	KSRRB M500- 15. Providing, laying bituminousConcrete using 40/60 THP capacity H.M.P with Mechanical paver Gr-II (30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade,rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No.500.9 complete in all respects complete as per specifications MORTH Specification No.509 (P.No.164 Item No.21.22.6)								
	Basic rate	7659.00							
	11% AD-HOC	842.49							
	Sub Total-1	8501.49							
	6% AW	510.09							
	Sub Total-2	9011.58							
	Santoshnagara								
	cross road - 1	1	24.00	4.00	0.03	2.88			
	7th cross	1	218.00	3.80	0.03	24.85			
	9th cross	1	550.00	4.35	0.03	71.78			
	cross road - 2	1	30.00	4.30	0.03	3.87			
	cross road - 3	1	105.00	4.15	0.03	13.07			
	cross road - 4	1	35.00	3.80	0.03	3.99			
	cross road - 5, school entrance	1	24.00	4.00	0.03	2.88			
	cross road - 6	1	32.00	6.00	0.03	5.76			
	cross road - 7	1	40.00	3.50	0.03	4.20			
	Hindu samaj road								
	Neha Prakash Hospital	1	182.00	7.00	0.04	50.96			
	Behind hospital	1	108.00	3.50	0.04	15.12			
	Perpendicular hospital	1	185.00	5.50	0.04	40.70			
	cross road - 2	1	134.00	4.10	0.04	21.98			
						262.04	**Cum**	**9011.58**	**2361353.71**
17	KSRRB M800-13: Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications. MORTH specification No. 803, No. 1974 (P.No.185 & I.No.24.15)								
	Basic rate	512.00							
	11% AD-HOC	56.32							
	Sub Total-1	568.32							
	6% AW	34.10							
	Sub Total-2	602.42							
	Santoshnagara								
	cross road - 1	2	24.00	0.10		4.80			
	7th cross	2	218.00	0.10		43.60			
	9th cross	2	550.00	0.10		110.00			
	cross road - 2	2	30.00	0.10		6.00			
	cross road - 3	2	105.00	0.10		21.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	oss road - 4	2	35.00	0.10		7.00			
	cross road - 5, school entrance	2	24.00	0.10		4.80			
	cross road - 6	2	32.00	0.10		6.40			
	cross road - 7	2	40.00	0.10		8.00			
	Hindu samaj road								
	Neha Prakash Hospital	2	182.00	0.10		36.40			
	Behind hospital	2	108.00	0.10		21.60			
	Perpendicular hospital	2	185.00	0.10		37.00			
	cross road - 2	2	134.00	0.10		26.80			
						333.40	**Sqm**	**602.42**	**200846.56**
18	Providing and fixing pre cast solid **cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete (P.No-25, I No-5.30)								
	Basic rate	313.00							
	11% AD-HOC	34.43							
	Sub Total-1	347.43							
	6% AW	20.85							
	Sub Total-2	368.28							
		2	30.00			60.00			
	B = A/0.45				**A**	**60.00**			
					B	**133.00**	**Nos**	**368.28**	**48,980.68**
19	KSRRB 800-1. **Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No-183, I No-24.1)								
	Basic rate	60.00							
	11% AD-HOC	6.60							
	Sub Total-1	66.60							
	6% AW	4.00							
	Sub Total-2	70.60							
		2	620.00	0.35		434.00	**TA**		
						434.00	**Sqm**	**70.60**	**30,638.66**
								Total Construction Cost	**9854193.82**
								DPR & PMC Charges	**145800.00**
								Sub Total	**9999993.82**
								Utility Shifting, Miscellaneous, Rounding off	**6.18**
								GRAND TOTAL	**10000000.00**

Administrative Approval
Accorded For .....
Head of A/C .....
CER NO :..... Dt:..
E.E. (Project)

Technical Sanction
Accorded For 100 kaell.
Head of A/C P. 21.1.8
CER NO :.....636..... Dt:.....8/2/2018
CE (YNK)

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2016-2017, issue rates and Data Rates. 11% AD-HOC is added as per order issued on 06-02-2018

Assistant Engineer

Asst. Executive Engineer,

Executive Engineer,
Yelahanka Division,
BBMP Bangalore
7/2/18

Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Project Division Yelahanka

Name of Work: Improvements of roads at Adithyanagara in ward no. 03

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	KSRRB 300-1. **Earthwork excavation** by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.MORTH / Chapter 3(I No-19.1, P No-133)								
	Basic rate	82.00							
	11% AD-HOC	9.02							
	Sub Total-1	91.02							
	6% AW	5.46							
	Sub Total-2	96.48							
	10km ld & lt, transport	100.00							
	Sub Total-3	196.48							
	Adityanagar								
	Cross road	2	253.00	1.05	0.90	478.17			
	Cross road	1	59.00	1.05	0.90	55.76			
	Cross road	1	50.00	1.05	0.90	47.25			
	Culvert	4	6.00	1.40	0.90	30.24			
						611.42	**Cum**	**196.48**	**120131.55**
	KSRB 4-1.2 : Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2.(P.No-12,I No-4.2)								
	Basic rate	5046.00							
	11% AD-HOC	555.06							
	Sub Total-1	5601.06							
	6% AW	336.06							
	Sub Total-2	5937.12							
	Adityanagar								
	Cross road	2	253.00	1.05	0.15	79.70			
	Cross road	1	59.00	1.05	0.15	9.29			
	Cross road	1	50.00	1.05	0.15	7.88			
	Culvert	4	6.00	1.40	0.15	5.04			
						101.90	**Cum**	**5937.12**	**605007.74**
3	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of **design mix M20** with OPC cement @ 320kgs, with 20mmand down size graded granite metal coarse aggregates @0.0.69cum and fine aggregtes @ 0.460cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6(I No-4.11,P No-13)								

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Basic rate	6011.00							
11% AD-HOC	661.21							
Sub Total-1	6672.21							
6% AW	400.33							
Sub Total-2	7072.54							
Adityanagar CC Drain Raft								
Cross road	2	253.00	0.90	0.15	68.31			
Cross road	1	59.00	0.90	0.15	7.97			
Cross road	1	50.00	0.90	0.15	6.75			
Adityanagar CC Drain Wall								
Cross road	4	253.00	0.15	0.60	91.08			
Cross road	2	59.00	0.15	0.60	10.62			
Cross road	2	50.00	0.15	0.60	9.00			
Culvert	4	6.00	1.20	0.20	5.76			
Culvert	8	6.00	0.20	0.70	6.72			
					206.21	**Cum**	**7072.54**	**1458393.65**

KSRB 4-6.4 : Providing and **removing centering, shuttering,** strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2

Basic rate	293.00							
11% AD-HOC	32.23							
Sub Total-1	325.23							
6% AW	19.51							
Sub Total-2	344.74							
Adityanagar CC Drain Wall								
Cross road	8	253.00		0.60	1214.40			
Cross road	4	59.00		0.60	141.60			
Cross road	4	50.00		0.60	120.00			
Culvert	16	6.00		0.70	67.20			
					1543.20	**Sqm**	**344.74**	**532008.63**

KSRB 4.9.2 : Providing **T.M.T steel reinforcement** for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3(I No-4.46.2,P No-17)

Basic rate	60607.00							
11% AD-HOC	6666.77							
Sub Total-1	67273.77							
6% AW	4036.43							
Sub Total-2	71310.20							
Consider 60kg/Cum	1	193.73	60.00		**11623.50**			
Consider 100kg/Cum	1	12.48	100.00		**1248.00**			
					12.87	**Tn**	**71310.20**	**917869.19**

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Providing and Fixing **pre cast covering Slab** made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
	Basic rate	2100.00							
	Top Covering Slab								
	Cross road	2	253.00	0.90		455.40			
	Cross road	1	50.00	0.90		45.00			
	Cross road	1	50.00	0.90		45.00			
						545.40	**Sqm**	**2100.00**	**1145340.00**
	Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-(Data rate)								
	Basic rate	5111.00							
	Culvert	4	6.00	1.20		28.80			
						28.80	**Sqm**	**5111.00**	**147196.80**
								Total Construction Cost	**4925947.56**
								DPR & PMC Cost	**74,000.00**
								Sub Total	**4999947.56**
								Utility Shifting,Miscellaneous and Rounding off	**52.44**
								GRAND TOTAL	**5000000.00**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2016-2017, issue rates and Data Rates. 11% AD-HOC is added as per order issued on 06-02-2018

Assistant Engineer
Project Division Yelahanka
BBMP Bangalore

Asst. Executive Engineer,
Project Division Yelahanka
BBMP Bangalore

Executive Engineer, 7/2/18
Project Division Yelahanka
BBMP Bangalore

Administrative Approval

Accorded For .....
Head of A/C.....
CER NO :..... Dt:..

E.E. (Project)

Technical Sanction
Accorded For SD to 4
Head of A/C 2178 CODE
CER NO : 637 **Dt:** 08/02/2018

TA CE (YNK)

Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Division

Name of Work: Improvements to roads and drain at Santosh nagara and Muneshwara nagara in ward No. 03, Attur

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Estimate Cost Rs. 100.00 Lakhs Amount
1	Removing & Refixing Stone Slabs of drains and Pointing in C.M(1:3). (Page No 25., I.No.5.33 of KPWD S.R 2016-17)								
	Basic rate	76.00							
	11% AD-HOC	8.36							
	Sub Total-1	84.36							
	6% AW	5.06							
	Sub Total-2	89.42							
	Santoshnagara								
	Top slab								
	2nd cross	2	161.00	1.00		322.00			
	4th cross	2	147.00	1.00		294.00			
	cross road - 1	2	24.00	1.00		48.00			
	cross road - 2	2	25.00	1.00		50.00			
	6th cross	2	398.00	1.00		796.00			
	Kallavav public school	2	65.00	1.00		130.00			
	1st A cross	2	131.00	1.00		262.00			
	White petals school	2	125.00	1.00		250.00			
	Drain slab								
	2nd cross	2	161.00	1.65		531.30			
	4th cross	2	147.00	1.65		485.10			
	cross road - 1	2	24.00	1.65		79.20			
	cross road - 2	2	25.00	1.65		82.50			
	6th cross	2	398.00	1.65		1313.40			
	Kallavav public school	2	65.00	1.65		214.50			
	1st A cross	2	131.00	1.65		432.30			
	1st cross	2	47.00	1.65		155.10			
	White petals school	2	125.00	1.65		412.50			
	Total Qty					**5857.90**			
	Consider 30% of total Qty					**1757.37**			
						1757.37	**Sqm**	**89.42**	**157146.84**
2	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 7.5cm thick (Page No 25., I.No.5.31.1 of KPWD S.R 2016-17).								
	Basic rate	628.00							
	11% AD-HOC	69.08							
	Sub Total-1	697.08							
	6% AW	41.82							
	Sub Total-2	738.90							
	Consider 8% of Total qty of Item no -1					468.63			
						468.63	**Sqm**	**738.90**	**346274.43**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
3	KRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No142., I.No.19.1 of KPWD S.R 2016-17).								
	Basic rate	82.00							
	11% AD-HOC	9.02							
	Sub Total-1	91.02							
	6% AW	5.46							
	Sub Total-2	96.48							
	10km ld & lt, transport	100.00							
	Sub Total-3	196.48							
	Santoshnagara								
	2nd cross	2	161.00	0.55	0.50	88.55			
	4th cross	2	147.00	0.55	0.50	80.85			
	cross road - 1	2	24.00	0.55	0.50	13.20			
	cross road - 2	2	25.00	0.55	0.50	13.75			
	6th cross	2	398.00	0.55	0.50	218.90			
	Kallavav public school	2	65.00	0.55	0.50	35.75			
	1st A cross	2	131.00	0.55	0.50	72.05			
	1st cross	2	47.00	0.55	0.50	25.85			
	White petals school	2	125.00	0.55	0.50	68.75			
	cross road - 3	2	24.00	0.55	0.50	13.20			
	cross road - 4	2	39.00	0.55	0.50	21.45			
	cross road - 5	2	25.00	0.55	0.50	13.75			
	cross road - 6	2	24.00	0.55	0.50	13.20			
	cross road - 7	2	21.00	0.60	0.50	12.60			
	cross road - 8	2	24.00	0.55	0.50	13.20			
	cross road - 9	2	25.00	0.55	0.50	13.75			
	culvert	4	8.00	1.50	1.20	57.60			
						776.40	**Cum**	**196.48**	**152548.00**
4	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.2)/ PWD SR 2016-17								
	Basic rate	5046.00							
	11% AD-HOC	555.06							
	Sub Total-1	5601.06							
	6% AW	336.06							
	Sub Total-2	5937.12							
	culvert	4	8.00	1.50	0.15	7.20			
						7.20	**Cum**	**5937.12**	**42,747.29**
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.23/I.5.9)/ PWD SR 2016-17								
	Basic rate	5005.00							
	11% AD-HOC	550.55							
	Sub Total-1	5555.55							